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An evaluation of accelerated Portland cement as a restorative material

D Abdullah, TR Pitt Ford, S Papaioannou, J ... - *Biomaterials*, 2002 - Elsevier

... The main disadvantage when using MTA as a dental ... Recently, the setting time of Portland cement was successfully reduced by adding calcium chloride (CaCl₂) ...

Cited by 66 - Related articles - Web Search - All 5 versions

Silicate-based root canal sealer: a study of osteoblast-like cell response

MG GANDOLFI, R MONGIORGI, C PRATI, S PAGANI, N ... - 42nd annual meeting of IADR-Continental European and Israeli ..., 1926 - iadr.confex.com

... Objectives: Silicate Portland-based cements are routinely ... filling materials, with White-MTA and AH ... were prepared incorporating calcium chloride as accelerant ...

Cached - Web Search - All 2 versions

7.8. 6 Low temperature high pressure (LTHP) wells

G Class, H Class - *Structure and Performance of Cements*, 2002 - books.google.com

... is an amorphous/poorly crystalline calcium silicate hydrate ... than the latter. (The use of Portland blastfurnace cement ... AR, Campos, G. and Bezerra, MTA, 5th Latin ...

Related articles - Web Search

Ultra-Thin, Fiber-Reinforced Concrete Overlays for Urban Intersections

J Speakman, HN Scott - *Transportation Research Record*, 1996 - Trans Res Board

... Synthetic fiber reinforcement is not affected by calcium chloride. ... MTA bus lanes. ... subbase was prepared three ways before placing the portland cement concrete ...

Cited by 8 - Related articles - Web Search - Library Search - BL Direct - All 3 versions

CEMENT COMPOSITIONS AND PROCESS OF K

JR Hurley - US Patent 2,880,096, 1959 - Google Patents

... It will be noted that calcium chloride (CaCl₂) which is ... Material: Portland cement ... Water: Properties: 100 poise thickening time, hours and mta. ...

Cited by 4 - Related articles - Web Search

Implementation of Retrofit/Clean Fuel Programs for Diesel Equipment During the Construction Phase of ...

G Schattaneck, A Kasprak, D Weaver, C Cooper - 2002 - i95newhaven.com

... States for Coordinated Air Use Management (NESCAUM) 129 Portland Street Boston ... T Project administered by the Massachusetts Turnpike Authority (MTA) consist of a ...

Cited by 5 - Related articles - View as HTML - Web Search - All 4 versions

Root end filling

K Safavi - *Oral and Maxillofacial Surgery Clinics of North America*, 2002 - Elsevier

... phosphate, and silica and seems to be similar to that of Portland cement, a ... Biological effects of MTA may thus be similar to those of calcium hydroxide ...

Cited by 1 - Related articles - Web Search - BL Direct - All 2 versions

Dental restorative compositions and method of use thereof

LA Lopez, W Jia, S Jin - US Patent App. 09/935,048, 2001 - Google Patents

... to, high refractive index silica glass fillers, calcium silicate based ... [0037] ProRoot MTA is a ... root canal repair material containing Portland cement, sold by ...

Web Search - All 2 versions

Engineering geological mapping of gypsiferous formations, Sivas, Central Eastern Turkey

TY Irfan, I Özkaya - *Bulletin of Engineering Geology and the Environment*, 1981 - Springer

... to marl with increase in calcium carbonate content ... map of Turkey, Sivas sheet, MTA Publication ... BRITISH STANDARDS INSTITUTION (1958): Portland cement (ordinary ...

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[HTML] ► A diacylglycerol-activated Ca²⁺-channel in PC12 cells (an adrenal chromaffin cell line) correlates ...

Y Tesfai, HM Brereton, GJ Barritt - *BIOCHEMICAL JOURNAL-LONDON*, 2001 - biochemj.org

... ATC, 320, U49069 (mTRP-6); mTRP antisense primer (MTA) 1 (the ... in the presence of hexamethonium chloride, and in ... 1 Berridge, MJ (1998) Neuronal calcium signaling ...

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Key authors: [D Abdullah](#) - [T Pitt Ford](#) - [S Papaioannou](#) - [J Nicholson](#) - [F McDonald](#)



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portland (limestone OR calcite "calcium carbon 1995 - 2002

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Use of alumina clay with cement fly ash mixtures

RW Styron - US Patent 5,484,480, 1996 - [Google Patents](#)

... Portland cement is prepared by igniting a mixture of ... which is mainly composed of calcium carbonate and the ... answering to this description are limestone and clay ...

Cited by 3 - [Related articles](#) - [Web Search](#) - [All 10 versions](#)

Chemical analysis of contaminated soil strengthened by the addition of lime

JD McKinley, HR Thomas, KP Williams, JM Reid - *Engineering Geology*, 2001 - [Elsevier](#)

... occur during hydration of Portland cements (Way ... X-ray diffraction indicated was principally calcium carbonate (calcite) and was ... by peaks for calcite and quartz ...

Cited by 11 - [Related articles](#) - [Web Search](#) - [All 3 versions](#)

Fine-celled foam composition and method having improved thermal insulation and fire retardant ...

DK Stephens - US Patent 6,409,817, 2002 - [freepatentsonline.com](#)

... such as calcite or ground limestone (CaCO 3 ... contains no cementitious materials including Portland cement, aluminous ... consisted of 50 pounds of calcite (CaCO 3 ...

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Managed composition of waste-derived fuel

GL Morrison - US Patent 5,888,256, 1999 - [freepatentsonline.com](#)

... Portland cement is the well known very fine gray ... a pellet of the desired size, and that ... and some of the conventional limestone calcium carbonate raw material ...

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Method of making a mineral filler from fly ash

RW Styron, KS Abiodun ... - US Patent 6,139,960, 2000 - [Google Patents](#)

... uses used as an additive in portland cement ... like include calcium carbonate, kaolin, aluminum hydrate. Other features and ... Also, calcite was 9 The method of claim ...

Cited by 1 - [Related articles](#) - [Web Search](#) - [All 3 versions](#)

Water treatment compositions

G Woodward, KP Davis, DRE Walker, MS Graham, TJ ... - EP Patent 0,807,635, 1997 - [freepatentsonline.com](#)

... where the latter comprises limestone, or by ... Examples include tale, calcite, barite, mica, clays ... to cement compositions including portland cement, hydraulic lime ...

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Market Assessment and Technical Feasibility Study of PFBC Ash Use

AE Bland, TH Brown, DN Georgiou - 1995 - [netl.doe.gov](#)

... properties comparable to those of portland cement concrete ... Black Thunder coal and the limestone sorbent operated at ... lime and high carbonates (calcite or dolomite ...

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Polymer surfaced composites for floor tiles and other building structures

JN Mushovic - US Patent 6,387,504, 2002 - [freepatentsonline.com](#)

... fly ash, perlite, ground silica, calcium carbonate, transition metal ... or polymer filler ... a Portland cement-based or ... 65 weight percent reduces the size of the ...

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Combustion process applicable to the manufacture of cement

J Dugue, O Marin, T Borissoff, DS Alves, M Viardot - US Patent 6,375,456, 2002 - [freepatentsonline.com](#)

... an ore-based material, especially clay and limestone. ... to form a cement such as Portland-type cement. ... the reaction of decarbonizing the calcium carbonate in the ...

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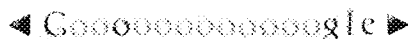
Wieslaw Kurdowski and Francois Sorrentino

TFQC APPLICATION - Waste Materials Used in Concrete Manufacturing, 1997 - [books.google.com](#)

... Ettringite decomposes into gypsum, gibbsite and calcite. ... Simultaneous Production of Alumina and Portland Cement In ... red mud is mixed with limestone and sintered ...

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Key authors: [J Garcia Ruiz](#) - [S Tsiivilis](#) - [S Ramachandran](#) - [O Guillitte](#) - [G Kakali](#)



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